



Sheet 1 of 17

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
2026-4230US1

SERIAL NO.
09/155,590

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

APPLICANT(S)
Jeffrey Schliom et al

FILING DATE
September 30, 1998

GROUP ART UNIT
1643

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
HAC		2,253,211	2/9/92	GB	—	—	YES	NO
HAC		WO 89/06974	8/10/89	WO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

<i>HAC</i>	<i>HAC</i>	Rotzschke, O. et al, Isolation and analysis of naturally processed viral peptides as recognized by cytotoxic T cells, <u>Nature</u> 1990, 348:252-254.
<i>HAC</i>	<i>HAC</i>	Skipper, J. et al, Identification of Two Cytotoxic T Lymphocyte-recognized Epitopes in the Ras Protein, <u>The Journal of Experimental Medicine</u> , 177 (5), 1993, 1493-1498.

EXAMINER

Hope Robinson Eudel

DATE CONSIDERED

3/21/90 10/5/90

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<i>JK</i>		Abrams, S.I. et al, Mutant <i>ras</i> epitopes as targets for cancer vaccines, <u>Sem. Oncol.</u> 23, 118-134 (1996).
<i>HNC</i>		Eishenlohr, L.C. et al, A transient transfection system for identifying biocsynthesized proteins processed and presented to class I MHC restricted T lymphocytes, <u>J. Immunol. Meth.</u> , 1992, 154:131.

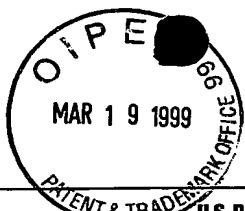
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FORM PTO-1449 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. 2026-4230US1	SERIAL NO. 09/155,590		
				APPLICANT(S) Jeffrey Schlom et al			
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							YES
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		Peace, D.J. et al, T cell recognition of transforming proteins encoded by mutated <i>ras</i> proto-oncogenes, <i>J. Immunol.</i> , 146, 2059-2065, (1991).					
		Takahashi, H.S. et al, A single amino acid interchange yields reciprocal CTL specificities for HIV-1 gp 160, <i>Science</i> , 1989, Vol. 246, 118-121.					
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						YES	NO
OTHER DOCUMENTS (including Author, Title, date, Periodent Papers, etc.)							
<i>HR</i>		Rock, K.L. et al, Analysis of the association of peptides of optimal length to class I molecules or the surface of cells, <u>Proc. Natl. Acad. Sci. USA</u> 1992, Vol. 89, 8918-8922.					
<i>HR</i>		Mitsudomi, T. et al, P53 mutation in non small lung cancer cell line and their correlation with the presence of ras mutations and clinical features, <u>Oncogene</u> 1992, Vol. 7, No. 1, 171-180.					
EXAMINER	<i>Hope Robinson</i>			DATE CONSIDERED	<i>3/24/02 10/5/02</i>		
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<i>JK</i>		Kahn, S.M. et al, Rapid and sensitive nonradioactive detection of mutant K-ras genes via enriched PCR amplification, <u>Oncogene</u> , Vol. 6, No. 6, 1079-1083 (1991).
<i>JAC</i>		Fenton, R.G. et al, Cytotoxic T-Cell Response and In Vivo Protection Against Tumor Cells
		Harboring Activated <i>ras</i> Proto-oncogenes, <u>Journal of the National Cancer Institute</u> , Vol. 85, No. 16, August 18, 1993.

EXAMINER	<i>Jeffrey Schlom et al</i>	DATE CONSIDERED <i>3/21/00 10/15/00</i>
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							YES

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Papers, etc.)*

<i>JK</i>		Tsang, K.Y. et al, Generation of human cytotoxic T cells specific for human carcinoembryonic antigen epitopes from patients immunized with recombinant vaccinia-CEA vaccine, <u>J. Natl. Cancer Inst.</u> , Vol. 87, No. 13, July 1995, 982-990.
<i>JK</i>		Hamer, P.J. et al, Activated Val-12 ras p21 in cell culture fluids and mouse plasma, <u>Oncogene</u> , Vol. 6, No. 9, 1609-1615 (1991).

EXAMINER	<i>Jeffrey Robertson</i>	DATE CONSIDERED 3/27/00 10/5/00
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

<i>ASR</i>		Carter, G. et al, <i>Ras</i> mutations in patients following cytotoxic therapy for lymphoma, <i>Oncogene</i> , Vol. 5, No. 3, 1990, 411-416.
<i>ASR</i>		Fenton, R.G. et al, Induction of T-Cell Immunity Against <i>Ras</i> Oncoproteins by Soluble Protein or <i>Ras</i> -Expressing <i>Escherichia coli</i> , <i>Journal of the National Cancer Institute (Bethesda)</i> , Vol. 87, No. 24, 1995, 1853-1861.

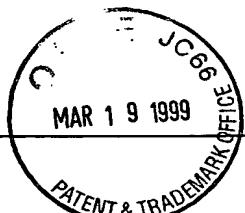
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Jane Roberts Endt

DATE CONSIDERED

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FORM PTO-1449

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INFORMATION DISCLOSURE CITATION

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APPLICANT(S)
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September 30, 1996

GROUP ABT UNIT
1643

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

[Signature] Capon, D. J. et al, Activation of *Ki-ras* 2 gene in human colon and lung carcinomas by two different point mutations, Nature, Vol. 304, No. 11, August 1983, 507-513.

[Signature] Bos, J.L., The *ras* gene family and human carcinogenesis, Mutation Research, 195 (1988), 255-271.

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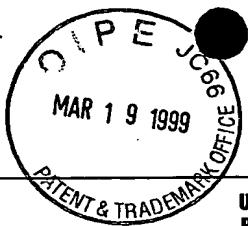


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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)							
<i>[Signature]</i>		Bos, J.L., <i>ras</i> Cancer Research 49, 4682-4689 (1989).					
<i>[Signature]</i>		Fossum, B. et al, CD8+ T cells from a patient with colon carcinoma, specific for a mutant p21-					
<i>[Signature]</i> <i>Hope Peterson Eudie</i> DATE CONSIDERED <i>3/21/00</i> <i>10/5/00</i> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

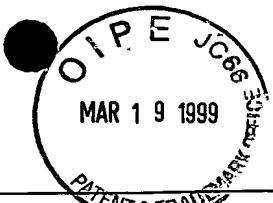




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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)							
<i>HAC</i>		Van Elsas, A. et al, Induction and characterization of cytotoxic T-lymphocytes recognizing a mutated p21 Ras peptided presented by HLA-A *0201, <u>Int. J. Cancer</u> 61, 389-396 (1995).					
<i>HAC</i>		Kiaris, H. et al, Mutations of ras genes in human tumours (review), <u>Int. J. Oncol.</u> 7, 413-421 (1995).					
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		Fossum, B. et al, Overlapping epitopes encompassing a point mutation (12 Gly > Arg) in p21					
		ras can be recognized by HLA-DR, -DP and -DQ restricted T cells, <u>Eur. J. Immunol.</u> 23, 2687-2691 (1993).					
		Geddle-Dahl III et al, T-cell responses against products of oncogenes: generation and					
		characterization of human T-cell clones specific for p21 Ras-derived synthetic peptides, <u>Human Immunol.</u> 33, 266-274 (1992).					
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<i>HR</i>		Salter, R.D. et al, Impaired assembly and transport of HLA-A and B antigens in a mutant TxB hybrid, <u>EMBO J.</u> , 5, 943-949 (1986).							
<i>HR</i>		Jung, S. et al, Human T lymphocytes recognize a peptide of single point-mutated, oncogenic <i>ras</i> proteins, <u>J. Exp. Med.</u> , 163, 273-276 (1991).							
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<i>HAC</i>		Khleif, S.N. et al, Induction of T cell responses after vaccination with specific <i>Ras</i> mutant peptides in cancer patients, <u>Proceedings of the American Association for Cancer Research</u> , Vol. 37, March 1996, Abstract.							
<i>HAR</i>		Tsang, K.Y. et al, Induction of Human Cytotoxic T Cell Lines Directed Against Point-Mutated p21 Ras-Derived Synthetic Peptides, <u>Vaccine Research</u> , Vol. 3, No. 4, p. 183-193, 1994.							
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